An Automated Fume Control System for Automobile

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 133
Number 14

Year of Publication: 2016

Authors:
Manpreet Kaur, Nikhil Panwar

Abstract

Continuous innovations and modernization has greatly contributed to the development in automobile industry. Automobile has become a huge luxury for everyone in all the countries. All modern automobiles like cars are equipped with air conditioner and heater units. An air conditioner alters the properties of air (temperature and humidity) to more comfortable conditions in building, house or automobile. But despite having various advantages, there are few drawbacks as well. Earlier the external pollution was the main concern but nowadays due to use of air conditioner in the car the fumes like carbon monoxide, sulphur dioxide etc. enters inside the cabinet through the inlets of the AC if there is any leakage. Heater may also produce fumes inside the cabinet if running for long time and ventilation is not there. Fumes like Carbon monoxide is lackluster, unscented, weak and exceptionally lethal and some harmful effects of this gas are cerebral pain, tipsiness, shortcoming, queasiness, regurgitating, midsection agony, and disarray. So a prototype is designed which detects the presence of gas inside the cabinet then alert the user by an alert system and automatically open the window to let the fresh air come inside the vehicle. If the level of CO increases continuously then it will automatically send
an alert message with location to the concerned person related to the victim through GSM and GPS.

References


Index Terms

Computer Science

Control Systems

Keywords
GSM, GPS, CO, MQ7, PIC